



MHP15KR-01

DC Inverter Air Source Heat Pumps (Monoblock Type)

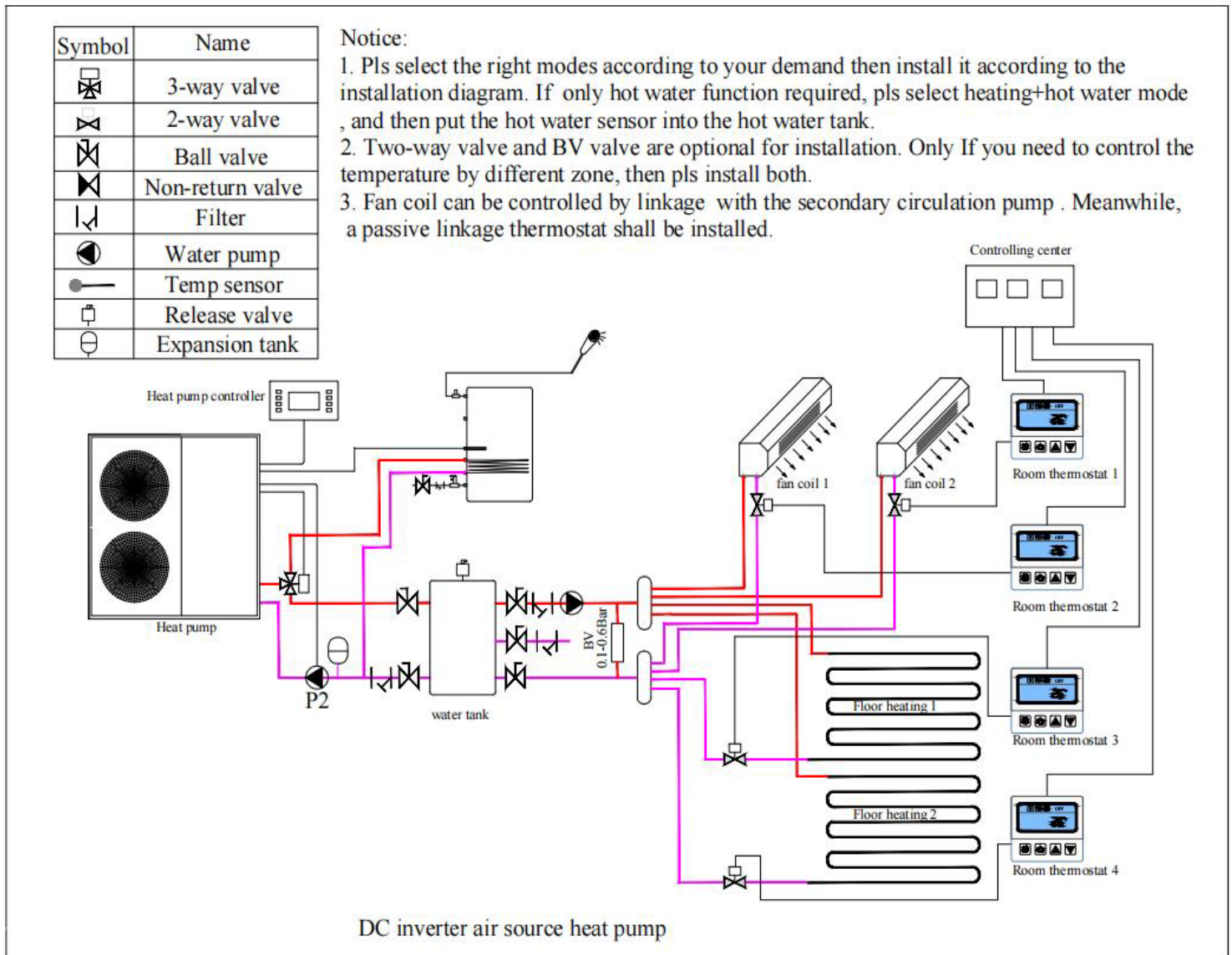


Features:

1. Working source temperature range: -25°C to 45°C
2. Control Object: water tank temperature
(Setting range: Heating: $30^{\circ}\text{C} \sim 55^{\circ}\text{C}$; Cooling: $32^{\circ}\text{C} \sim 12^{\circ}\text{C}$)
3. Control Way: wire controller
4. Water Pump: start/stop according to water tank temp
5. Working Modes: hot water/heating/cooling/hot water+cooling/hot water+heating



Installation Diagram



Note:

- (1) Heating condition: water inlet/outlet temperature: 30°C /35°C , Ambient temperature: DB 7°C /WB 6°C
- (2) Heating condition: water inlet/outlet temperature: 40°C /45°C , Ambient temperature: DB 7°C /WB 6°C ;
- (3) Cooling condition: water inlet/outlet temperature: 23°C /18°C , Ambient temperature: DB35°C /WB24°C ;
- (4) Cooling condition: water inlet/outlet temperature: 12°C /7°C , Ambient temperature: DB35°C /WB24°C ;

Unit Name				
Model			MHP15KR-01	
Power Supply / Refrigerant		V/Hz/Ph	220-240/50/1 - R32	
Max. Heating Capacity (A7℃/W35℃)		kW	15.8	
C.O.P (A7℃/W35℃)		W/W	4.61	
Heating Capacity Min./Max.(A7℃/W35℃)		kW	7.27	/ 15.80
Heating Power Input Min./Max.(A7℃/W35℃)		W	1261	/ 3427
C.O.P Min./Max.(A7℃/W35℃)		W/W	4.61	/ 5.76
Max. Heating Capacity(A7℃/W45℃)		kW	15.2	
C.O.P (A7℃/W45℃)		W/W	3.69	
Heating Capacity Min./Max.(A7℃/W45℃)		kW	6.98	/ 15.17
Heating power input Min./Max.(A7℃/W45℃)		W	1593	/ 4113
C.O.P Min./Max.(A7℃/W45℃)		W/W	3.69	/ 4.38
Max. Cooling Capacity(A35℃/W18℃)		kW	14.4	
E.E.R (A35℃/W18℃)		W/W	3.58	
Cooling Capacity Min./Max.(A35℃/W18℃)		kW	6.63	/ 14.41
Cooling Power Input Min./Max.(A35℃/W18℃)		W	1544	/ 4028
E.E.R Min./Max.(A35℃/W18℃)		W/W	3.58	/ 4.29
Max. Cooling Capacity(A35℃/W7℃)		kW	10.2	
E.E.R(A35℃/W7℃)		W/W	2.50	
Cooling Capacity Min./Max.(A35℃/W7℃)		kW	4.67	/ 10.16
Cooling Power Input Min./Max.(A35℃/W7℃)		W	1238	/ 4058
E.E.R Min./Max.(A35℃/W7℃)		W/W	2.50	/ 3.78
Water Flow		m ³ /h	2.72	
Hot Water Flow Rate		L/h	327	
Max Power Input		kW	5.14	
Max Current		A	24.60	
Wire diameter		mm ²	6.0	
Fuse or circuitbreakerer		A	32A	
Compressor	Type - Quantity/System		Twin Rotary - 1	
Fan	Quantity		1	
	Airflow	m ³ /h	3500	
	Rated power	W	120	
Water Side Heat Exchanger	Type		Plate Heat Exchanger	
	Water Pressure Drop	kPa	21	
	Piping Connection	Inch	G1"	
Allowable Water Flow	Min./Rated./Max.	L/S	0.47	0.75 1.26
Sound pressure level(1m)		dB(A)	46.2~56.7	
Sound power level(1m)		dB(A)	62.7	
Pdesignh (35/55℃)		kW	10.656/10.276	
SCOP (35/55℃)		kWh/kWh	4.65/3.40	
SCOPon (35/55℃)		kWh/kWh	4.67/3.41	
QH (35/55℃)		kWh/year	22015/21231	
QHE (35/55℃)		kWh/year	4732/6245	
ηs,h (35/55℃)		--	183.1/133.0	
Seasonal space heating		--	A+++	
Seasonal space heating		--	A++	
Net Dimension(L×D×H)		mm	1110*475*960	
Carton packing Dimension(L×D×H)		mm	1165*505*1110	
Splint packing Dimension(L×D×H)		mm	1210*540*1110	
Net Weight		kg	107	
Carton gross Weight		kg	120	
Splint gross Weight		kg	148	